

National Oceanic & Atmospheric Administration

2008 Satellite Direct Readout Conference



*"Transitioning into the Future:
Global Satellites for Global Needs"*

Agenda

December 8-12, 2008
Miami, Florida

<http://directreadout.noaa.gov/miami08>
www.noaa.gov

NOAA 2008 Direct Readout Conference Miami, Florida

Monday, December 8, 2008, (12:45 p.m. – 5:30 p.m.)

Session 1: Welcome and Keynote

Co-Chairs: Kathy Kelly and Paul Seymour

Presentation	Time	Session or Event
	8:00 a.m. – 12:45 p.m.	Registration
1.1	12:45 p.m. – 1:05 p.m.	Welcome and Logistics Paul Seymour, NOAA Satellite and Information Service
1.2	1:05 p.m. – 1:20 p.m.	Conference Opening Remarks and Introductions Kathy Kelly, Director of Office of Satellite Data Processing and Distribution, NOAA Satellite and Information Service
1.3	1:20 p.m. – 1:50 p.m.	Keynote Address: NOAA Satellite Programs Mary M. Glackin, Deputy Under Secretary for Oceans and Atmosphere, NOAA
1.4	1:50 p.m. – 2:10 p.m.	National Environmental Satellite, Data, and Information Service Welcome Mary E. Kicza, Assistant Administrator, NOAA Satellite and Information Services
1.5	2:10 p.m. – 2:30 p.m.	National Weather Service Welcome Dr. Louis W. Uccellini, Director, National Centers for Environmental Prediction (NCEP), NOAA National Weather Service
1.6	2:30 p.m. – 2:50 p.m.	National Aeronautics and Space Administration Welcome Dr. Shahid Habib, Chief, Office of Applied Sciences
	2:50 p.m. – 3:20 p.m.	Break: Refreshments in Exhibits Area
1.7	3:20 p.m. – 3:40 p.m.	World Meteorological Organization (WMO) Space Program Jerome Lafeuille, Chief of Space-based Observing Division, World Meteorological Organization (WMO) Observing and Information Systems Department
1.8	3:40 p.m. – 4:00 p.m.	Global Earth Observation System of Systems (GEOSS) Overview José Achache, Director, Group on Earth Observations (GEO) Secretariat
1.9	4:00 p.m. – 5:30 p.m.	Panel: GEOSS in the Americas Moderator: David Grimes, Assistant Deputy Minister, Meteorological Services of Canada, Environment Canada Panel Members: Mary Glackin, Deputy Under Secretary for Oceans and Atmosphere David Grimes, Assistant Deputy Minister, MSC/EC (Canada) José Achache, Director, Group on Earth Observations (GEO) Secretariat Jerome Lafeuille, Chief, Space-based Observing Division, WMO Luiz Machado, INPE/CPTEC (Brazil) (Instituto Nacional de Pesquisas Espaciais, Centro de Previsão de Tempo e Estudos Climáticos, Divisão de Satélites e Sistemas Ambientais) Marcelo Colazo, CONAE (Argentina) (Comisión Nacional de Actividades Espaciales) Albert Jones, WMO RA IV (North America, Central America and the Caribbean)
	6:00 p.m. – 7:30 p.m.	Conference “Icebreaker” – Hilton Miami Airport Hotel – To Be Announced

NOAA 2008 Direct Readout Conference Miami, Florida

Tuesday, December 9, 2008, (8:30 a.m. – 12:00 p.m.)
Session 2: Current Satellite Systems/Instruments
Chair: Kathy Kelly

Presentation	Time	Session or Event
	8:00 a.m. – 8:30 a.m.	Registration/Coffee
2.0	8:30 a.m. – 8:35 a.m.	Introduction Kathy Kelly, Director of Office of Satellite Data Processing and Distribution, NOAA Satellite and Information Service
2.1	8:35 a.m. – 9:00 a.m.	Keynote Albert Jones, WMO RA IV (North America, Central America and the Caribbean)
2.2	9:00 a.m. – 9:20 a.m.	NOAA Geostationary Operational Environmental Satellite (GOES) Overview Chris Wheeler, NOAA Satellite and Information Service
2.3	9:20 a.m. – 9:40 a.m.	European Organization for the Exploitation of Meteorological Satellites (EUMETSAT): Geostationary Satellite Systems Michael Williams, Head of Control Centre Division, EUMETSAT
2.4	9:40 a.m. – 10:00 a.m.	Status of the Japan Meteorological Agency Multi-functional Transport Satellite (MTSAT) Series Mark Mulholland, Deputy Director, Office of Systems Development, NOAA Satellite and Information Service
	10:00 a.m. – 10:20 a.m.	Break: Refreshments in Exhibits Area
2.5	10:20 a.m. – 10:40 a.m.	Polar-orbiting Operational Environmental Satellite (POES) Overview Cindy Hampton, NOAA Satellite and Information Service
2.6	10:40 a.m. – 11:00 a.m.	European Organization for the Exploitation of Meteorological Satellites (EUMETSAT): Polar-orbiting Satellite Systems Michael Williams, Head of Control Centre Division, EUMETSAT
2.7	11:00 a.m. – 11:20 a.m.	Status of the National Aeronautics and Space Administration (NASA) Earth Observing System (EOS) Patrick Coronado, NASA Direct Readout Laboratory
2.8	11:20 a.m. – 11:40 a.m.	Update from the Coordination Group for Meteorological Satellites (CGMS) Michael Williams, Head of Control Centre Division, EUMETSAT
2.9	11:40 a.m. – 12:00 p.m.	Satellite Operations Control Center (SOCC) and Wallops Island and Fairbanks Command and Data Acquisition (CDA) Overview Chris Wheeler and Cindy Hampton, NOAA Satellite and Information Service
	12:00 p.m. – 1:30 p.m.	Lunch

NOAA 2008 Direct Readout Conference Miami, Florida

Tuesday, December 9, 2008, (1:30 p.m. – 8:00 p.m.)

Session 3: Current Direct Readout Workshop

Chair: Dave Benner

Presentation	Time	Session or Event
3.1	1:30 p.m. – 2:00 p.m.	Showcase Overview Tim Schmit, Cooperative Institute for Meteorological Satellite Studies (CIMSS)
3.2	2:00 p.m. – 4:00 p.m.	Direct Services Showcase Panel Moderator: Dane Clark, Short and Associates, Incorporated Panel Members: 3.2.1 LRIT – Paul Seymour, Jamie Kibler 3.2.2 EMWIN – Rob Wagner, Santos Rodriguez, Bill Johnson 3.2.3 GOES DCS – Kay Metcalf, Letecia Reeves 3.2.4 Argos – Bill Woodward, Jim Wydick 3.2.5 GVAR – Chris Wheeler, Brian Hughes, Tim Schmit 3.2.6 EGVAR/GRB (GOES-R) – Bill Mazur, Satya Kalluri, Jim Gurka 3.2.7 HRPT/APT – Marlin Perkins, Cindy Hampton 3.2.8 HRD, IPOPP Featuring Simulcast – John Overton, Gary McWilliams 3.2.9 GEONETCast Americas – Chris O'Connors, Alfreda Alexander 3.2.10 RANET – Kelly Sponberg, Jennifer Lewis 3.2.11 NOAAPORT – Brian Gockel, Jim Heil
	4:00 p.m. – 4:20 p.m.	Break: Refreshments in Exhibits Area
3.3	4:20 p.m. – 5:30 p.m.	Direct Services Showcase Panel: Feedback/Questions and Answers Moderator: Dave Benner, NOAA Satellite and Information Service Panel Members: LRIT – Paul Seymour EMWIN – Santos Rodriguez GOES DCS – Kay Metcalf Argos – Bill Woodward GVAR – Chris Wheeler EGVAR/GRB (GOES R) – Bill Mazur HRPT/APT - Marlin Perkins HRD, Simulcast/IPOPP - John Overton GEONETCast Americas – Chris O'Connors RANET – Kelly Sponberg NOAAPORT – Brian Gockel
3.4	6:30 p.m. – 8:00 p.m.	EMWIN/HRIT Prototype Software Defined Receiver: Demonstration Session Paul Seymour, NOAA Satellite and Information Service Rob Wagner/Santos Rodriguez, EMWIN Team, NOAA National Weather Service, Office of the CIO Bill Mazur, GOES-R Program Office Jeremy L. Roberson, Aerospace Corporation

NOAA 2008 Direct Readout Conference Miami, Florida

Wednesday, December 10, 2008, (8:30 a.m. – 12:00 p.m.)

Session 4: Applications and Training

Co-Chairs: Tim Schmit and Tony Mostek

Presentation	Time	Session or Event
	8:00 a.m. – 8:30 a.m.	Registration/Coffee
4.0	8:30 a.m. – 8:35 a.m.	Introduction Tim Schmit, NOAA Satellite and Information Service
4.1	8:35 a.m. – 9:00 a.m.	Keynote Arona Ngari (Cook Islands), President, WMO RA V (South-West Pacific)
4.2	9:00 a.m. – 9:15 a.m.	COMET Program: Satellite Meteorology Training Resources for the Atmospheric Science Community Tim Spangler, University Corporation for Atmospheric Research (UCAR) Cooperative Program for Operational Meteorology, Education, and Training (COMET®)
4.3	9:15 a.m. – 9:30 a.m.	Cooperative Institute for Meteorological Satellite Studies (CIMSS) VISITview Scott Bachmeier, CIMSS
4.4	9:30 a.m. – 9:45 a.m.	Satellite Training Activities: Cooperative Institute for Research in the Atmosphere (CIRA) Bernadette Connell, CIRA
4.5	9:45 a.m. – 10:00 a.m.	Satellite HydroMeteorology (SHyMet) NOAA Distance Training Course Tony Mostek, NOAA National Weather Service
4.6	10:00 a.m. – 10:15 a.m.	Satellite Training and Education and Naval Research Lab Monterey, California Arunas Kuciauskas, Tom Lee, F. Joseph Turk, K. Richardson, and J. Hawkins, Naval Research Laboratory
	10:15 a.m. – 10:45 a.m.	Break: Refreshments in Exhibits Area
4.7	10:45 a.m. – 11:00 a.m.	McIDAS-V: A Powerful Data Analysis and Visualization Tool for Multi- and Hyperspectral Environmental Satellite Data Dave Santek, University of Wisconsin Space Science and Engineering Center
4.8	11:00 a.m. – 11:15 a.m.	NCEP Direct Readout Usage: Current and Future Satellite Applications at NCEP's Aviation Weather (AWC) and Storm Prediction Center (SPC) Bill Sjoberg, NOAA National Weather Service
4.9	11:15 a.m. – 11:30 a.m.	NCEP Use for Forecast Models Lars Riishojgaard, Joint Center for Satellite Data Assimilation
4.10	11:30 a.m. – 11:45 a.m.	Current and Near-term GOES Operations and Applications Tim Schmit, NOAA Satellite and Information Service
4.11	11:45 a.m. – 12:00 p.m.	From Data to Products to Weather Forecasting and Air Quality Monitoring: Direct Broadcast at Its Best Allen Huang, Cooperative Institute for Meteorological Satellite Studies (CIMSS)
	12:00 p.m. – 1:30 p.m.	Lunch

NOAA 2008 Direct Readout Conference Miami, Florida

Wednesday, December 10, 2008, (1:30 p.m. – 5:30 p.m.)

Session 4 Continued: Applications and Training

Co-Chairs: Tim Schmit and Tony Mostek

Presentation	Time	Session or Event
4.12	1:30 p.m. – 1:45 p.m.	EOS Direct Broadcast Products Used In Operations Kathy Strabala, Cooperative Institute for Meteorological Satellite Studies (CIMSS)
4.13	1:45 p.m. - 2:00 p.m.	Geoscience Educations Utilizing Satellite Imagery: A Direct Readout Experience from the EXLORES! Perspective Paul Ruscher, Florida State University
4.14	2:00 p.m. – 2:15 p.m.	Evolution of the EUMETSAT Advanced Retransmission Service (EARS) Christelle Ponsard, European Organization for the Exploitation of Meteorological Satellites
4.15	2:15 p.m. – 2:30 p.m.	Use of RARS data in the UK Met Office Richard Francis, Satellite Data Processing System Group, Meteorological Office, United Kingdom
4.16	2:30 p.m. – 2:45 p.m.	National Weather Service Requirements for Real-time Satellite Data Gary Hufford, NOAA National Weather Service
4.17	2:45 p.m. – 3:00 p.m.	GEONETCast Americas Paul Seymour, NOAA Satellite and Information Service
	3:00 p.m. – 3:30 p.m.	Break: Refreshments in Exhibits Area
4.18	3:30 p.m. – 3:45 p.m.	Poster Session Overview Tim Schmit, NOAA Satellite and Information Service
4.19	3:45 p.m. – 5:30 p.m.	Direct Readout Conference Poster Session

NOAA 2008 Direct Readout Conference Miami, Florida

Thursday, December 11, 2008, (8:30 a.m. – 1:30 p.m.)

Session 5: Global User Perspective

Chair: Charles S. Baker

Presentation	Time	Session or Event
	8:00 a.m. – 8:30 a.m.	Registration/Coffee
5.0	8:30 a.m. – 8:35 a.m.	Introduction Charles S. Baker, Deputy Assistant Administrator, NOAA Satellite and Information Service
5.1	8:35 a.m. – 9:00 a.m.	Keynote Ramón J. Viñas García (Venezuela), President, WMO Region III
5.2	9:00 a.m. – 9:20 a.m.	Group on Earth Observation Francis Bell, Director, Group on Earth Observation (GEO)
5.3	9:20 a.m. – 9:40 a.m.	Private Individual Users of Weather Satellites: The Future Dave Cawley, Remote Imaging Group (RIG)
5.4	9:40 a.m. – 10:00 a.m.	The Use of NOAA Data at the Costa Rican Meteorological Service Werner Stolz, Instituto Meteorológico Nacional de Costa Rica
5.5	10:00 a.m. – 10:20 a.m.	The Use of NOAA Data at the Chile National Meteorological Service Alejandro Muñoz, Jefe Subdepartamento Pronósticos, Dirección Meteorológica de Chile
	10:20 a.m. – 10:50 a.m.	Break: Refreshments in Exhibits Area
5.6	10:50 a.m. – 11:10 a.m.	Use of Satellite Direct Readout in the South Pacific Colin Schultz, Pacific Regional Environment Program
5.7	11:10 a.m. – 11:30 a.m.	The Role of Satellite Data in the Meteorological Service of Canada David Bradley, Project Coordinator, Space-Based Monitoring, Meteorological Services of Canada
5.8	11:30 a.m. – 11:50 a.m.	Comparative Evaluation of NOAA AVHRR, Feng Yun 1D, MODIS and LandSat TM5 Images Working as a Satellite Constellation for the Detection of Burned Areas in the Flooding Valley of the Parana River, Argentina Carlos Cotlier, Universidad Nacional de Rosario, Facultad de Ciencias Exactas, Ingeniería y Agrimensura, Centro de Sensores Remotos, Argentina
5.9	11:50 a.m. – 12:10 p.m.	Low Orbit Meteorological Satellite Products and Analysis Tools at INPE/CPTEC, Brazil Carlos Angelis, INPE/CPTEC (Instituto Nacional de Pesquisas Espaciais, Centro de Previsão de Tempo e Estudos Climáticos, Divisão de Satélites e Sistemas Ambientais)
5.10	12:10 p.m. – 1:30 p.m.	Luncheon Panel on GOES-10 Operations – Moderator: Chris Wheeler, NOAA Satellite and Information Service Panel Members: Luiz Machado, INPE/CPTEC (Brazil) (Instituto Nacional de Pesquisas Espaciais, Centro de Previsão de Tempo e Estudos Climáticos, Divisão de Satélites e Sistemas Ambientais) Marcelo Colazo, CONAE (Argentina) (Comisión Nacional de Actividades Espaciales) Tim Schmit, NOAA Satellite and Information Service Chris Wheeler, NOAA Satellite and Information Service

NOAA 2008 Direct Readout Conference Miami, Florida

Thursday, December 11, 2008, (1:30 p.m. – 5:20 p.m.)

Session 6: Future Direct Readout

Co-Chairs: Hal Bloom and Dan Stockton

Presentation	Time	Session or Event
6.1	1:30 p.m. – 1:50 p.m.	Future of Direct Readout and Satellite Systems Abigail Harper, Deputy Assistant Administrator, Systems, NOAA Satellite and Information Service
6.2	1:50 p.m. – 2:10 p.m.	GOES-R Satellite and Program Review Vanessa Griffin, NOAA Satellite and Information Service, GOES-R Program Office
6.3	2:10 p.m. – 2:30 p.m.	GOES-R Instruments and Products Tim Schmit, NOAA Satellite and Information Service
6.4	2:30 p.m. – 2:50 p.m.	GOES-R Direct Readout Implications Bill Mazur, NOAA Satellite and Information Service, GOES-R Program Office
6.5	2:50 p.m. – 3:10 p.m.	GOES-R Outreach Activities Jim Gurka, NOAA Satellite and Information Service, GOES-R Program Office
	3:10 p.m. – 3:40 p.m.	Break: Refreshments in Exhibits Area
6.6	3:40 p.m. – 4:00 p.m.	NPOESS: Satellite and Program Review Dan Stockton, Program Executive Officer for Environmental Satellites, NOAA Satellite and Information Service
6.7	4:00 p.m. – 4:20 p.m.	NPOESS Direct Readout Mission John Overton, NOAA Satellite and Information Service, NPOESS Integrated Program Office
6.8	4:20 p.m. – 4:40 p.m.	NPOESS Direct Readout Operational Enhancements Model for Future Polar-orbiting Systems John van de Wouw, Northrop Grumman Space Technology
6.9	4:40 p.m. – 5:00 p.m.	NPOESS Preparatory Project Calibration and Validation Supporting Direct Readout Users Heather Kilcoyne, NOAA Satellite and Information Service, NPOESS Integrated Program Office
6.10	5:00 p.m. – 5:20 p.m.	Transitioning from POES AVHRR to NPOESS VIIRS: Understanding the Relationships Between POES and NPOESS Data Products Bonnie Reed, NOAA Satellite and Information Service, NPOESS Integrated Program Office
	6:30 p.m. – 8:30 p.m.	Conference Banquet – Hilton Miami Airport Hotel – Room To Be Announced “Satellites and Their Utility in Communicating: Extreme Weather, Climate Change and Their Impacts in a Collaborative Environment” Speaker: Dave Jones, Founder, President & CEO, Storm Center Communications, Incorporated

NOAA 2008 Direct Readout Conference Miami, Florida

Friday, December 12, 2008, (8:00 a.m. – 12:00 p.m.)

Session 7: User Services and Impacts

Co-Chairs: Mark Mulholland and Brian Hughes

Presentation	Time	Session or Event
7.1	8:00 a.m. – 8:20 a.m.	User Services Brian Hughes, NOAA Satellite and Information Service
7.2	8:20 a.m. – 8:40 a.m.	USDA Forest Service Application of Direct Readout Products for Wildland Fire and Resource Management Brad Quayle, RS/GIS Specialist, USDA Forest Service, Remote Sensing Applications Center
7.3	8:40 a.m. – 9:10 a.m.	The Importance of Geostationary Weather Satellites in Hurricane Forecasting: A Perspective Jack Bevin, NOAA National Weather Service, National Hurricane Center
	9:10 a.m. – 9:20 a.m.	Break: Refreshments in Exhibits Area
7.4	9:20 a.m. – 11:50 a.m.	Facilitated Discussion
7.41	9:20 a.m. – 9:25 a.m.	Breakout Moderator Mark Mulholland, Deputy Director, Office of Systems Development, NOAA Satellite and Information Service
7.42	9:25 a.m. – 10:45 a.m.	Structured Breakouts <ul style="list-style-type: none"> User Needs from GOES Current & Future Satellite: GVAR, eGVAR, GRB User Needs from POES Current & Future Satellites: HRPT, IPOPP, LRD, HRD User Needs from Satellite Services: LRIT, EMWIN, GOES DCS, ARGOS, GEONETCast, RANET, and NOAAPORT Other topics of interest or an additional group
	10:45 a.m. – 11:00 a.m.	Break: Refreshments in Exhibits Area
7.43	11:00 a.m. – 11:35 a.m.	Feedback from Breakout Groups Mark Mulholland, Deputy Director, Office of Systems Development, NOAA Satellite and Information Service
7.44	11:35 a.m. – 11:50 a.m.	Session Wrap-up and Final Discussion Abigail Harper, Deputy Assistant Administrator, Systems, NOAA Satellite and Information Service
7.5	11:50 a.m. – 12:00 p.m.	Closing Remarks Abigail Harper, Deputy Assistant Administrator, Systems, NOAA Satellite and Information Service
		Conference Closes

